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STN STRUCTURE SEARCH (REGISTRY/CAPLUS)

CLAIM 4

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LOGINID:SSPTAJMN1626

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	AUG 06	CAS REGISTRY enhanced with new experimental property tags
NEWS 3	AUG 06	FSTA enhanced with new thesaurus edition
NEWS 4	AUG 13	CA/CAplus enhanced with additional kind codes for granted patents
NEWS 5	AUG 20	CA/CAplus enhanced with CAS indexing in pre-1907 records
NEWS 6	AUG 27	Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
NEWS 7	AUG 27	USPATOLD now available on STN
NEWS 8	AUG 28	CAS REGISTRY enhanced with additional experimental spectral property data
NEWS 9	SEP 07	STN AnaVist, Version 2.0, now available with Derwent World Patents Index
NEWS 10	SEP 13	FORIS renamed to SOFIS
NEWS 11	SEP 13	INPADOCDB enhanced with monthly SDI frequency
NEWS 12	SEP 17	CA/CAplus enhanced with printed CA page images from 1967-1998
NEWS 13	SEP 17	CAplus coverage extended to include traditional medicine patents
NEWS 14	SEP 24	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS 15	OCT 02	CA/CAplus enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS 16	OCT 19	BEILSTEIN updated with new compounds
NEWS 17	NOV 15	Derwent Indian patent publication number format enhanced
NEWS 18	NOV 19	WPIX enhanced with XML display format
NEWS 19	NOV 30	ICSD reloaded with enhancements
NEWS 20	DEC 04	LINPADOCDB now available on STN
NEWS 21	DEC 14	BEILSTEIN pricing structure to change
NEWS 22	DEC 17	USPATOLD added to additional database clusters
NEWS 23	DEC 17	IMSDRUGCONF removed from database clusters and STN
NEWS 24	DEC 17	DGENE now includes more than 10 million sequences
NEWS 25	DEC 17	TOXCENTER enhanced with 2008 MeSH vocabulary in MEDLINE segment
NEWS 26	DEC 17	MEDLINE and LMEDLINE updated with 2008 MeSH vocabulary
NEWS 27	DEC 17	CA/CAplus enhanced with new custom IPC display formats
NEWS 28	DEC 17	STN Viewer enhanced with full-text patent content from USPATOLD
NEWS 29	JAN 02	STN pricing information for 2008 now available
NEWS 30	JAN 16	CAS patent coverage enhanced to include exemplified prophetic substances
NEWS 31	JAN 28	USPATFULL, USPAT2, and USPATOLD enhanced with new

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                  custom IPC display formats
 NEWS 32  JAN 28  MARPAT searching enhanced
 NEWS 33  JAN 28  USGENE now provides USPTO sequence data within 3 days
                  of publication
 NEWS 34  JAN 28  TOXCENTER enhanced with reloaded MEDLINE segment
 NEWS 35  JAN 28  MEDLINE and LMEDLINE reloaded with enhancements
 NEWS 36  FEB 08  STN Express, Version 8.3, now available
 NEWS 37  FEB 20  PCI now available as a replacement to DPCI


 NEWS EXPRESS FEBRUARY 08 CURRENT WINDOWS VERSION IS V8.3,
              AND CURRENT DISCOVER FILE IS DATED 24 JANUARY 2008

 NEWS HOURS    STN Operating Hours Plus Help Desk Availability
 NEWS LOGIN    Welcome Banner and News Items
 NEWS IPC8     For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that
specific topic.

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* * * * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 10:36:55 ON 21 FEB 2008

=> FIL REG
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       0.21       0.21

FILE 'REGISTRY' ENTERED AT 10:37:08 ON 21 FEB 2008
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STRUCTURE FILE UPDATES:   20 FEB 2008  HIGHEST RN 1004854-20-9
DICTIONARY FILE UPDATES:  20 FEB 2008  HIGHEST RN 1004854-20-9

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TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

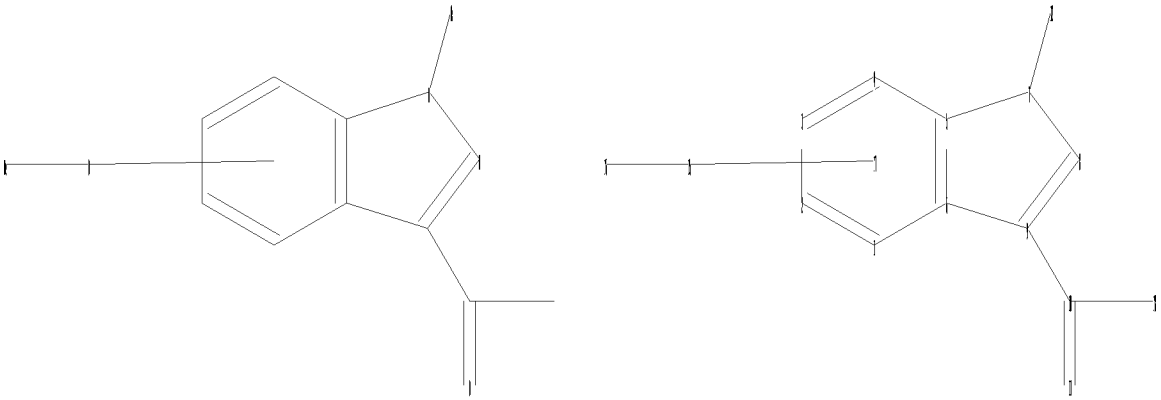
REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:
```

G1:H,Ak

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 20:CLASS

L1 STRUCTURE UPLOADED

=>
Uploading C:\Program Files\Stnexp\Queries\10528982\3 CLAIM 4.str



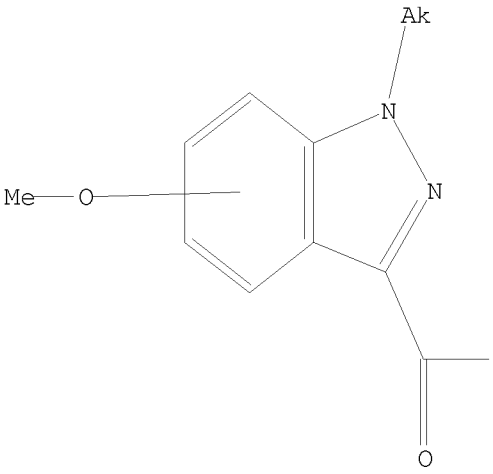
chain nodes :
10 11 12 15 16
ring nodes :
1 2 3 4 5 6 7 8 9
ring/chain nodes :
18
chain bonds :
7-12 9-10 10-11 10-18 15-16
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9
exact/norm bonds :
5-7 6-9 7-8 7-12 8-9 10-11
exact bonds :
9-10 10-18 15-16
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6
isolated ring systems :
containing 1 :

G1:H,Ak

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
11:CLASS 12:CLASS 15:CLASS 16:CLASS 17:Atom 18:CLASS

L2 STRUCTURE UPLOADED

=> D
L2 HAS NO ANSWERS
L2 STR



G1 H,Ak

Structure attributes must be viewed using STN Express query preparation.

=> S L2
SAMPLE SEARCH INITIATED 10:37:37 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 207 TO ITERATE

100.0% PROCESSED 207 ITERATIONS 8 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 3277 TO 5003
PROJECTED ANSWERS: 8 TO 329

L3 8 SEA SSS SAM L2

=> D SCAN

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=> S L2 FULL
FULL SEARCH INITIATED 10:37:53 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -     4344 TO ITERATE

100.0% PROCESSED     4344 ITERATIONS                                 270 ANSWERS
SEARCH TIME: 00.00.01

L4          270 SEA SSS FUL L2
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=> FIL CAPLUS
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                     178.36     178.57

FILE 'CAPLUS' ENTERED AT 10:37:57 ON 21 FEB 2008
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FILE COVERS 1907 - 21 Feb 2008  VOL 148 ISS 8
FILE LAST UPDATED: 20 Feb 2008  (20080220/ED)

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They are available for your review at:

http://www.cas.org/infopolicy.html
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=> S L4
L5          17 L4
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=> D IBIB L5 1
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L5 ANSWER 1 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2007:1363780 CAPLUS
DOCUMENT NUMBER: 148:11212
TITLE: Preparation of trimethoxybenzoylindazoles as tubulin binding anticancer compounds
INVENTOR(S): Matteucci, Mark; Duan, Jian-Xin; Cai, Xiaohong; Li, Jiayao; Lewis, Jason
PATENT ASSIGNEE(S): Threshold Pharmaceuticals, Inc., USA
SOURCE: PCT Int. Appl., 142pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007137196	A2	20071129	WO 2007-US69297	20070518
WO 2007137196	A3	20080124		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA

PRIORITY APPLN. INFO.: US 2006-802267P P 20060519

OTHER SOURCE(S): MARPAT 148:11212

L5 ANSWER 2 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2007:144056 CAPLUS
DOCUMENT NUMBER: 146:229363
TITLE: Preparation of oxazine derivatives as Ep4 receptor agonists and antiglaucoma agents
INVENTOR(S): Colucci, John; Han, Yongxin; Farand, Julie A.
PATENT ASSIGNEE(S): Merck Frosst Canada Ltd., Can.
SOURCE: PCT Int. Appl., 54pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007014462	A1	20070208	WO 2006-CA1254	20060728

PRIORITY APPLN. INFO.: US 2005-705120P P 20050803

OTHER SOURCE(S): MARPAT 146:229363
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L5 ANSWER 3 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2007:143969 CAPLUS
DOCUMENT NUMBER: 146:229362
TITLE: Preparation of oxazine derivatives as Ep4 receptor agonists and antiglaucoma agents
INVENTOR(S): Colucci, John; Han, Yongxin; Farand, Julie A.
PATENT ASSIGNEE(S): Merck Frosst Canada Ltd., Can.
SOURCE: PCT Int. Appl., 47pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007014154	A1	20070208	WO 2006-CA1243	20060728

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.: US 2005-705124P P 20050803

OTHER SOURCE(S): MARPAT 146:229362
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L5 ANSWER 4 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2006:513768 CAPLUS
DOCUMENT NUMBER: 145:27984
TITLE: 3-(3,4,5-Trimethoxybenzoyl)indazoles and related compounds as tubulin binding anticancer agents and prodrugs thereof; Their preparation, pharmaceutical composition and use for treatment of cancers
INVENTOR(S): Matteucci, Mark; Duan, Jian-Xin; Cai, Xiaohong
PATENT ASSIGNEE(S): Threshold Pharmaceuticals, Inc., USA
SOURCE: PCT Int. Appl., 152 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006057946	A2	20060601	WO 2005-US42095	20051117
WO 2006057946	A3	20070705		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA				
AU 2005309761	A1	20060601	AU 2005-309761	20051117
CA 2587210	A1	20060601	CA 2005-2587210	20051117
EP 1819338	A2	20070822	EP 2005-826480	20051117
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, YU				
CN 101094838	A	20071226	CN 2005-80035633	20051117
IN 2007DN04648	A	20070817	IN 2007-DN4648	20070618
NO 2007003211	A	20070821	NO 2007-3211	20070622
KR 2007086595	A	20070827	KR 2007-714342	20070622

PRIORITY APPLN. INFO.: US 2004-630422P P 20041122
US 2005-726928P P 20051020
WO 2005-US42095 W 20051117

OTHER SOURCE(S): MARPAT 145:27984

L5 ANSWER 5 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2006:164871 CAPLUS
DOCUMENT NUMBER: 144:254122
TITLE: Preparation of indazole derivatives and ophthalmic compositions for treating ocular hypertension
INVENTOR(S): Doherty, James B.; Chen, Dong-Ming
PATENT ASSIGNEE(S): Merck & Co., Inc., USA
SOURCE: PCT Int. Appl., 44 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006020003	A2	20060223	WO 2005-US25136	20050715
WO 2006020003	A3	20060831		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
AU 2005274972	A1	20060223	AU 2005-274972	20050715
CA 2574078	A1	20060223	CA 2005-2574078	20050715
EP 1771170	A2	20070411	EP 2005-771451	20050715
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR				
CN 1988903	A	20070627	CN 2005-80024918	20050715
US 2008032951	A1	20080207	US 2006-630172	20061219
IN 2006CN04793	A	20071005	IN 2006-CN4793	20061229

PRIORITY APPLN. INFO.: US 2004-589444P P 20040720
WO 2005-US25136 W 20050715

OTHER SOURCE(S): CASREACT 144:254122; MARPAT 144:254122

L5 ANSWER 6 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2005:1289303 CAPLUS
DOCUMENT NUMBER: 144:36257
TITLE: Preparation of substituted benzoic acid and analogs as
EP4 receptor agonists for treatment of glaucoma and related diseases
INVENTOR(S): Belley, Michel; Colucci, John; Girard, Mario; Han, Yongxin; Lacombe, Patrick
PATENT ASSIGNEE(S): Merck Frosst Canada Ltd., Can.
SOURCE: PCT Int. Appl., 80 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005116010	A1	20051208	WO 2005-CA773	20050520

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
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PRIORITY APPLN. INFO.: US 2004-574653P P 20040526

OTHER SOURCE(S): MARPAT 144:36257
REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 7 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2005:1106800 CAPLUS
DOCUMENT NUMBER: 143:387049
TITLE: Preparation of disubstituted piperidinones, oxazinanones, thiazinanones, and morpholinones as EP4 receptor agonist for treatment of ocular and bone disorders
INVENTOR(S): Billot, Xavier; Colucci, John; Han, Yongxin; Wilson, Marie-claire; Young, Robert N.
PATENT ASSIGNEE(S): Can.
SOURCE: U.S. Pat. Appl. Publ., 30 pp., Division of U.S. Ser. No. 297,257.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2005227969	A1	20051013	US 2005-146992	20050607
US 7208710	B2	20070703		
US 2004198701	A1	20041007	US 2004-797257	20040310
US 7053085	B2	20060530		
BR 2004008690	A	20060328	BR 2004-8690	20040326
IN 2005DN03925	A	20070824	IN 2005-DN3925	20050902
IN 2005DN03928	A	20070824	IN 2005-DN3928	20050902
MX 2005PA10189	A	20060228	MX 2005-PA10189	20050923
NO 2005004951	A	20051222	NO 2005-4951	20051025
PRIORITY APPLN. INFO.:			US 2003-457700P	P 20030326
			US 2004-797257	A3 20040310
			WO 2004-CA471	W 20040326

OTHER SOURCE(S): MARPAT 143:387049
REFERENCE COUNT: 44 THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L5 ANSWER 8 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2005:260033 CAPLUS
DOCUMENT NUMBER: 142:336355
TITLE: Preparation of indazole derivatives as potassium channel blockers for treating ocular hypertension
INVENTOR(S): Chen, Meng Hsin; Doherty, James B.; Liu, Luping; Natarajan, Swaminathan; Tynebor, Robert M.
PATENT ASSIGNEE(S): Merck & Co., Inc., USA
SOURCE: PCT Int. Appl., 49 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005026128	A1	20050324	WO 2004-US28266	20040831
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
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AU 2004272546	A1	20050324	AU 2004-272546	20040831
AU 2004272546	B2	20071018		
CA 2537410	A1	20050324	CA 2004-2537410	20040831
EP 1663987	A1	20060607	EP 2004-782695	20040831
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CN 1845904	A	20061011	CN 2004-80025344	20040831
BR 2004014102	A	20061031	BR 2004-14102	20040831
JP 2007504233	T	20070301	JP 2006-525389	20040831
US 2007010491	A1	20070111	US 2006-569921	20060227
IN 2006DN01031	A	20070817	IN 2006-DN1031	20060227
MX 2006PA02515	A	20060620	MX 2006-PA2515	20060303
NO 2006001505	A	20060427	NO 2006-1505	20060403
PRIORITY APPLN. INFO.:			US 2003-500095P	P 20030904
			WO 2004-US28266	W 20040831

OTHER SOURCE(S): CASREACT 142:336355; MARPAT 142:336355
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L5 ANSWER 9 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2005:259877 CAPLUS
DOCUMENT NUMBER: 142:336354
TITLE: Preparation of indazole derivatives as potassium channel blockers for treating ocular hypertension
INVENTOR(S): Chen, Meng Hsin; Doherty, James B.; Liu, Luping; Natarajan, Swaminathan; Tynebor, Robert M.
PATENT ASSIGNEE(S): Merck & Co., Inc., USA
SOURCE: PCT Int. Appl., 53 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005025568	A1	20050324	WO 2004-US28351	20040831
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004271978	A1	20050324	AU 2004-271978	20040831
CA 2537430	A1	20050324	CA 2004-2537430	20040831
EP 1663221	A1	20060607	EP 2004-782774	20040831
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
CN 1842335	A	20061004	CN 2004-80025367	20040831
JP 2007504236	T	20070301	JP 2006-525401	20040831
US 2007027188	A1	20070201	US 2006-570231	20060228
PRIORITY APPLN. INFO.:			US 2003-500090P	P 20030904
			WO 2004-US28351	W 20040831

OTHER SOURCE(S): MARPAT 142:336354
REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L5 ANSWER 10 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2004:989253 CAPLUS
DOCUMENT NUMBER: 142:74500
TITLE: Preparation and acylation of highly functionalized copper derivatives of 3-iodoindazoles leading to polyfunctional 3-acylindazoles
AUTHOR(S): Wang, Xiaoyin; Knochel, Paul
CORPORATE SOURCE: Department Chemie, Ludwig-Maximilians-Universitaet Muenchen, Munich, 81377, Germany
SOURCE: Synlett (2004), (13), 2303-2306
CODEN: SYNLES, ISSN: 0936-5214
PUBLISHER: Georg Thieme Verlag
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 142:74500
REFERENCE COUNT: 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L5 ANSWER 11 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2004:430692 CAPLUS
DOCUMENT NUMBER: 141:7107
TITLE: Preparation of 1H-indazoles as K channel blockers for use in ophthalmic compositions for treating ocular hypertension
INVENTOR(S): Doherty, James B.; Chen, Meng-Hsin; Liu, Luping; Natarajan, Swaminathan R.; Shen, Dong-Ming; Tynebor, Robert M.
PATENT ASSIGNEE(S): Merck & Co., Inc., USA
SOURCE: PCT Int. Appl., 80 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004043354	A2	20040527	WO 2003-US34959	20031104
WO 2004043354	A3	20040826		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2505127	A1	20040527	CA 2003-2505127	20031104
AU 2003287481	A1	20040603	AU 2003-287481	20031104
EP 1581503	A2	20051005	EP 2003-781722	20031104
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2006510742	T	20060330	JP 2005-507074	20031104
US 2006020000	A1	20060126	US 2005-530840	20050408

PRIORITY APPLN. INFO.: US 2002-424790P P 20021108
US 2003-500094P P 20030904
WO 2003-US34959 W 20031104

OTHER SOURCE(S): MARPAT 141:7107

L5 ANSWER 12 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2004:414645 CAPLUS
DOCUMENT NUMBER: 140:423670
TITLE: Preparation of indazoles as potent potassium channel blockers for treating ocular hypertension
INVENTOR(S): Doherty, James B.; Chen, Meng-Hsin; Liu, Luping; Natarajan, Swaminathan R.; Tynebor, Robert M.
PATENT ASSIGNEE(S): Merck & Co. Inc., USA
SOURCE: U.S. Pat. Appl. Publ., 30 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004097575	A1	20040520	US 2003-684990	20031014
US 7196082	B2	20070327		
TW 250873	B	20060311	TW 2003-92130678	20031103
CA 2505086	A1	20040527	CA 2003-2505086	20031104
WO 2004043932	A1	20040527	WO 2003-US35078	20031104
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
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WO 2004043933	A1	20040527	WO 2003-US35080	20031104
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003286884	A1	20040603	AU 2003-286884	20031104
AU 2003287506	A1	20040603	AU 2003-287506	20031104
EP 1562909	A1	20050817	EP 2003-781747	20031104
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003016040	A	20050913	BR 2003-16040	20031104
CN 1708484	A	20051214	CN 2003-80102578	20031104
JP 2006508190	T	20060309	JP 2005-507086	20031104
NZ 539593	A	20061222	NZ 2003-539593	20031104
MX 2005PA04889	A	20050722	MX 2005-PA4889	20050506
NO 2005002751	A	20050607	NO 2005-2751	20050607
US 2006154897	A1	20060713	US 2005-528982	20050815

SEE BELOW

L5 ANSWER 12 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

US 2007129418	A1	20070607	US 2006-641212	20061219
IN 2007DN04017	A	20070831	IN 2007-DN4017	20070528

PRIORITY APPLN. INFO.: US 2002-424790P P 20021108
US 2003-500091P P 20030904
US 2003-684990 A 20031014
WO 2003-US35078 W 20031104
WO 2003-US35080 W 20031104
IN 2005-DN1709 A3 20050427

OTHER SOURCE(S): MARPAT 140:423670
REFERENCE COUNT: 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 13 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1999:595172 CAPLUS
DOCUMENT NUMBER: 131:214302
TITLE: Preparation of dioxazinyloximinomethylbenzyloxy benzoheterocyclyloximes as agrochemical fungicides.
INVENTOR(S): Hillebrand, Stefan; Kruger, Bernd-Wieland; Gayer, Herbert; Gerdes, Peter; Stenzel, Klaus; Hanssler, Gerd; Mauler-Machnik, Astrid
PATENT ASSIGNEE(S): Bayer A.-G., Germany
SOURCE: PCT Int. Appl., 49 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9946263	A2	19990916	WO 1999-EP1472	19990308
WO 9946263	A3	19991111		
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
DE 19810018	A1	19990916	DE 1998-19810018	19980309
AU 9930322	A	19990927	AU 1999-30322	19990308
EP 1071682	A2	20010131	EP 1999-911750	19990308
R: AT, BE, CH, DE, FR, GB, IT, LI, NL				
JP 2002506071	T	20020226	JP 2000-535642	19990308
US 6462039	B1	20021008	US 2000-623442	20000905

PRIORITY APPLN. INFO.: DE 1998-19810018 A 19980309
WO 1999-EP1472 W 19990308

OTHER SOURCE(S): MARPAT 131:214302

L5 ANSWER 12 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2004:414645 CAPLUS
DOCUMENT NUMBER: 140:423670
TITLE: Preparation of indazoles as potent potassium channel blockers for treating ocular hypertension
INVENTOR(S): Doherty, James B.; Chen, Meng-Hsin; Liu, Luping; Natarajan, Swaminathan R.; Tynebor, Robert M.
PATENT ASSIGNEE(S): Merck & Co. Inc., USA
SOURCE: U.S. Pat. Appl. Publ., 30 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004097575	A1	20040520	US 2003-684990	20031014
US 7196082	B2	20070327		
TW 250873	B	20060311	TW 2003-92130678	20031103
CA 2505086	A1	20040527	CA 2003-2505086	20031104
WO 2004043932	A1	20040527	WO 2003-US35078	20031104
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
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WO 2004043933	A1	20040527	WO 2003-US35080	20031104
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
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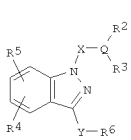
AU 2003286884	A1	20040603	AU 2003-286884	20031104
AU 2003287506	A1	20040603	AU 2003-287506	20031104
EP 1562909	A1	20050817	EP 2003-781747	20031104
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003016040	A	20050913	BR 2003-16040	20031104
CN 1708484	A	20051214	CN 2003-80102578	20031104
JP 2006508190	T	20060309	JP 2005-507086	20031104
NZ 539593	A	20061222	NZ 2003-539593	20031104
MX 2005PA04889	A	20050722	MX 2005-PA4889	20050506
NO 2005002751	A	20050607	NO 2005-2751	20050607
US 2006154897	A1	20060713	US 2005-528982	20050815
US 2007129418	A1	20070607	US 2006-641212	20061219
IN 2007DN04017	A	20070831	IN 2007-DN4017	20070528
PRIORITY APPLN. INFO.:			US 2002-424808P	P 20021108
			US 2003-500091P	P 20030904
			US 2003-684990	A 20031014
			WO 2003-US35078	W 20031104
			WO 2003-US35080	W 20031104
			IN 2005-DN1709	A3 20050427

OTHER SOURCE(S): MARPAT 140:423670
GI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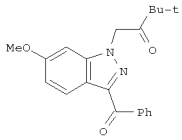
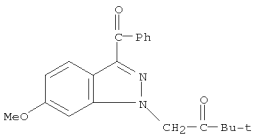

II

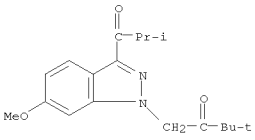
AB The title compds. [I; R = H, alkyl; X = (CHR7)p, (CHR7)pCO; Y = CO(CH2)n, CH2, CH(OR); Q = CH, C(alkyl); R2 = H, alkyl, OH, etc.; R3 = H, alkyl, heterocyclyl, etc.; QR2R3 = 3-10 membered carbocyclic or heterocyclic ring, OR; R4, R5 = H, alkoxy, OH, etc.; R6 = H, alkyl, (CH2)n(aryl), etc.; R7 = H, alkyl, (CH2)nCO2R, (CH2)nNR2; n = 0-3; p = 0-3], useful for the treatment of glaucoma and other conditions which leads to elevated intraocular pressure in the eye of a patient, were prepared Thus, reacting 3-benzoyl-6-methoxyindazole (preparation given) with 1-bromopinacolone in the presence of NaH in DMF afforded II. The IC50 for block of maxi-K channels for title compds. I ranged from about 0.5 nM to about 10 μM. This invention also relates to the use of compds. I to provide a neuroprotective effect to the eye of mammalian species, particularly humans. Ophthalmic compns. comprising the compound I is claimed.
IT 691899-57-7P 691899-65-7P 691899-73-7P
691899-81-7P 691899-88-4P 691899-95-3P
691900-00-2P 691900-04-6P 691900-08-0P
691900-12-6P 691900-15-9P 691900-18-2P

L5 ANSWER 12 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
691900-21-7P 691900-24-0P 691900-27-3P
691900-30-8P 691900-32-0P 691900-35-3P
691900-38-6P 691900-40-0P 691900-42-2P
691900-44-4P 691900-46-6P 691900-48-8P
691900-50-2P 691900-52-4P 691900-54-6P
691901-12-9P 691901-14-1P 691901-16-3P
691901-18-5P 691901-20-9P 691901-22-1P
691901-24-3P 691901-26-5P 691901-28-7P
691901-30-1P 691901-32-3P 691901-35-6P
691901-37-8P 691901-39-0P 691901-41-4P
691901-43-6P 691901-45-8P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of indazoles as potent potassium channel blockers for treating ocular hypertension)

RN 691899-57-7 CAPLUS
CN 2-Butanone, 1-(3-benzoyl-6-methoxy-1H-indazol-1-yl)-3,3-dimethyl- (CA INDEX NAME)

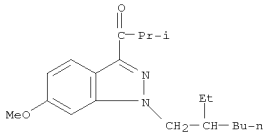


RN 691899-65-7 CAPLUS
CN 2-Butanone, 1-[6-methoxy-3-(2-methyl-1-oxopropyl)-1H-indazol-1-yl]-3,3-dimethyl- (CA INDEX NAME)

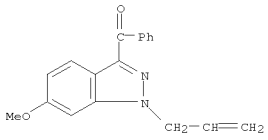


RN 691899-73-7 CAPLUS
CN 1-Propanone, 1-[1-(2-ethylhexyl)-6-methoxy-1H-indazol-3-yl]-2-methyl- (CA
INDEX NAME)

L5 ANSWER 12 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 691899-81-7 CAPLUS
CN Methanone, [6-methoxy-1-(2-propenyl)-1H-indazol-3-yl]phenyl- (9CI) (CA INDEX NAME)



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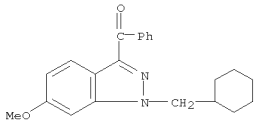
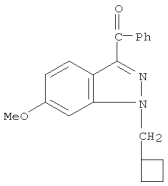
CN Methanone, [1-(cyclohexylmethyl)-6-methoxy-1H-indazol-3-yl]phenyl- (CA INDEX NAME)

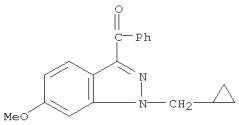


RN 691899-95-3 CAPLUS
CN Methanone, [1-(cyclobutylmethyl)-6-methoxy-1H-indazol-3-yl]phenyl- (CA INDEX NAME)

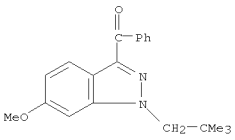
L5 ANSWER 12 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 691900-00-2 CAPLUS
CN Methanone, [1-(cyclopropylmethyl)-6-methoxy-1H-indazol-3-yl]phenyl- (CA INDEX NAME)

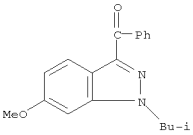


RN 691900-04-6 CAPLUS
CN Methanone, [1-(2,2-dimethylpropyl)-6-methoxy-1H-indazol-3-yl]phenyl- (CA INDEX NAME)

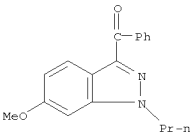


RN 691900-08-0 CAPLUS
CN Methanone, [6-methoxy-1-(2-methylpropyl)-1H-indazol-3-yl]phenyl- (CA INDEX NAME)

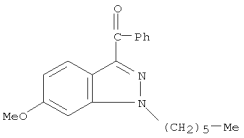
L5 ANSWER 12 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 691900-12-6 CAPLUS
CN Methanone, (6-methoxy-1-propyl-1H-indazol-3-yl)phenyl- (CA INDEX NAME)

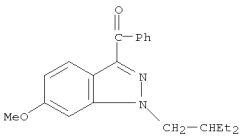


RN 691900-15-9 CAPLUS
CN Methanone, (1-hexyl-6-methoxy-1H-indazol-3-yl)phenyl- (CA INDEX NAME)

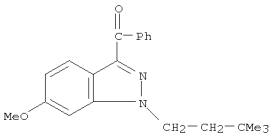


RN 691900-18-2 CAPLUS
CN Methanone, [1-(2-ethylbutyl)-6-methoxy-1H-indazol-3-yl]phenyl- (CA INDEX NAME)

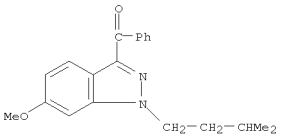
L5 ANSWER 12 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 691900-21-7 CAPLUS
CN Methanone, [1-(3,3-dimethylbutyl)-6-methoxy-1H-indazol-3-yl]phenyl- (CA INDEX NAME)

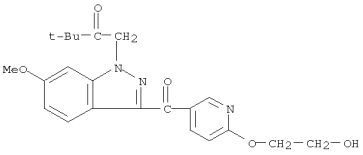


RN 691900-24-0 CAPLUS
CN Methanone, [6-methoxy-1-(3-methylbutyl)-1H-indazol-3-yl]phenyl- (CA INDEX NAME)

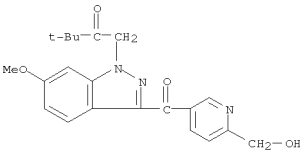


RN 691900-27-3 CAPLUS
CN 2-Butanone, 1-[3-[[6-(2-hydroxyethoxy)-3-pyridinyl]carbonyl]-6-methoxy-1H-indazol-1-yl]-3,3-dimethyl- (CA INDEX NAME)

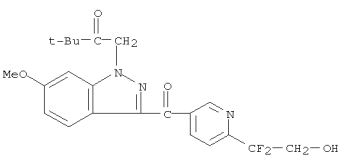
L5 ANSWER 12 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 691900-30-8 CAPLUS
CN 2-Butanone, 1-[3-[[6-(hydroxymethyl)-3-pyridinyl]carbonyl]-6-methoxy-1H-indazol-1-yl]-3,3-dimethyl- (CA INDEX NAME)

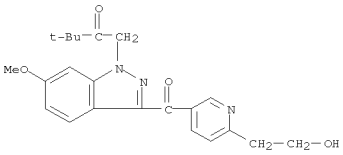


RN 691900-32-0 CAPLUS
CN 2-Butanone, 1-[3-[[6-(1,1-difluoro-2-hydroxyethyl)-3-pyridinyl]carbonyl]-6-methoxy-1H-indazol-1-yl]-3,3-dimethyl- (CA INDEX NAME)

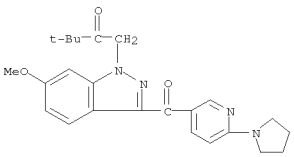


RN 691900-35-3 CAPLUS
CN 2-Butanone, 1-[3-[[6-(2-hydroxyethyl)-3-pyridinyl]carbonyl]-6-methoxy-1H-indazol-1-yl]-3,3-dimethyl- (CA INDEX NAME)

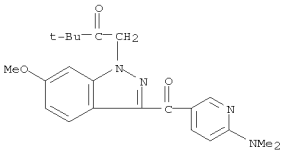
L5 ANSWER 12 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 691900-38-6 CAPLUS
CN 2-Butanone, 1-[6-methoxy-3-[[6-(1-pyrrolidinyl)-3-pyridinyl]carbonyl]-1H-indazol-1-yl]-3,3-dimethyl- (CA INDEX NAME)

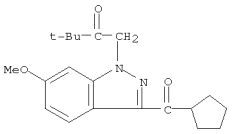


RN 691900-40-0 CAPLUS
CN 2-Butanone, 1-[3-[[6-(dimethylamino)-3-pyridinyl]carbonyl]-6-methoxy-1H-indazol-1-yl]-3,3-dimethyl- (CA INDEX NAME)

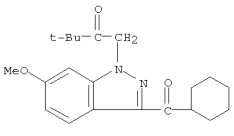


RN 691900-42-2 CAPLUS
CN Methanone, [6-(dimethylamino)-3-pyridinyl][6-methoxy-1-(methoxymethyl)-1H-indazol-3-yl]- (CA INDEX NAME)

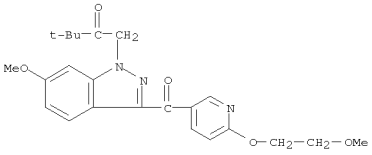
L5 ANSWER 12 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 691900-50-2 CAPLUS
CN 2-Butanone, 1-[3-(cyclohexylcarbonyl)-6-methoxy-1H-indazol-1-yl]-3,3-dimethyl- (CA INDEX NAME)

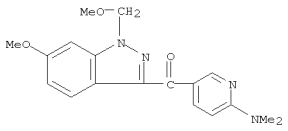


RN 691900-52-4 CAPLUS
CN 2-Butanone, 1-[6-methoxy-3-[[6-(2-methoxyethoxy)-3-pyridinyl]carbonyl]-1H-indazol-1-yl]-3,3-dimethyl- (CA INDEX NAME)

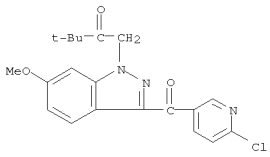


RN 691900-54-6 CAPLUS
CN 2-Butanone, 1-[3-[4-(hydroxymethyl)benzoyl]-6-methoxy-1H-indazol-1-yl]-3,3-dimethyl- (CA INDEX NAME)

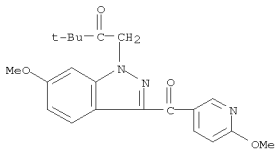
L5 ANSWER 12 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 691900-44-4 CAPLUS
CN 2-Butanone, 1-[3-[(6-chloro-3-pyridinyl)carbonyl]-6-methoxy-1H-indazol-1-yl]-3,3-dimethyl- (CA INDEX NAME)

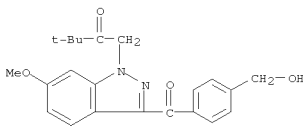


RN 691900-46-6 CAPLUS
CN 2-Butanone, 1-[6-methoxy-3-[(6-methoxy-3-pyridinyl)carbonyl]-1H-indazol-1-yl]-3,3-dimethyl- (CA INDEX NAME)

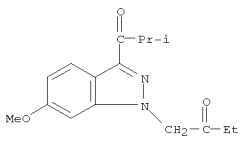


RN 691900-48-8 CAPLUS
CN 2-Butanone, 1-[3-(cyclopentylcarbonyl)-6-methoxy-1H-indazol-1-yl]-3,3-dimethyl- (CA INDEX NAME)

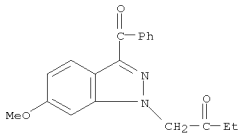
L5 ANSWER 12 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 691901-12-9 CAPLUS
CN 2-Butanone, 1-[6-methoxy-3-(2-methyl-1-oxopropyl)-1H-indazol-1-yl]- (CA INDEX NAME)

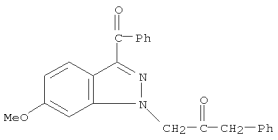


RN 691901-14-1 CAPLUS
CN 2-Butanone, 1-(3-benzoyl-6-methoxy-1H-indazol-1-yl)- (CA INDEX NAME)

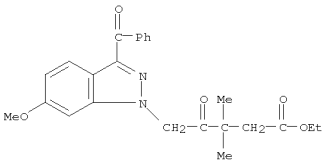


RN 691901-16-3 CAPLUS
CN 2-Propanone, 1-(3-benzoyl-6-methoxy-1H-indazol-1-yl)-3-phenyl- (CA INDEX NAME)

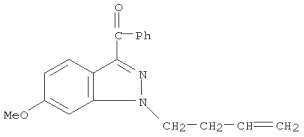
L5 ANSWER 12 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 691901-18-5 CAPLUS
CN 1H-Indazole-1-pentanoic acid, 3-benzoyl-6-methoxy-β,β-dimethyl-γ-oxo-, ethyl ester (CA INDEX NAME)

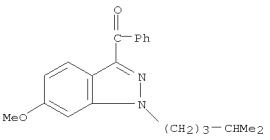


RN 691901-20-9 CAPLUS
CN Methanone, [1-(3-butenyl)-6-methoxy-1H-indazol-3-yl]phenyl- (9CI) (CA INDEX NAME)

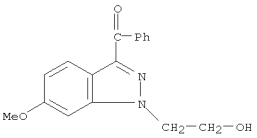


RN 691901-22-1 CAPLUS
CN Methanone, [6-methoxy-1-(4-methylpentyl)-1H-indazol-3-yl]phenyl- (CA INDEX NAME)

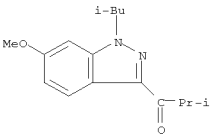
L5 ANSWER 12 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 691901-24-3 CAPLUS
CN Methanone, [1-(2-hydroxyethyl)-6-methoxy-1H-indazol-3-yl]phenyl- (CA INDEX NAME)

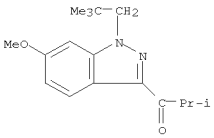


RN 691901-26-5 CAPLUS
CN 1-Propanone, 1-[6-methoxy-1-(2-methylpropyl)-1H-indazol-3-yl]-2-methyl- (CA INDEX NAME)

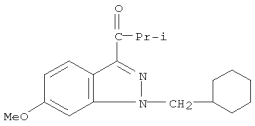


RN 691901-28-7 CAPLUS
CN 1-Propanone, 1-[1-(2,2-dimethylpropyl)-6-methoxy-1H-indazol-3-yl]-2-methyl- (CA INDEX NAME)

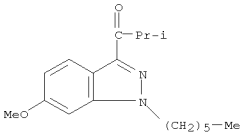
L5 ANSWER 12 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 691901-30-1 CAPLUS
CN 1-Propanone, 1-[1-(cyclohexylmethyl)-6-methoxy-1H-indazol-3-yl]-2-methyl- (CA INDEX NAME)

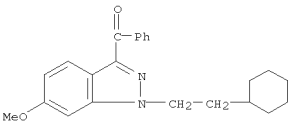


RN 691901-32-3 CAPLUS
CN 1-Propanone, 1-(1-hexyl-6-methoxy-1H-indazol-3-yl)-2-methyl- (CA INDEX NAME)

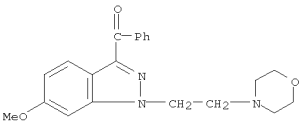


RN 691901-35-6 CAPLUS
CN Methanone, [1-(2-cyclohexylethyl)-6-methoxy-1H-indazol-3-yl]phenyl- (CA INDEX NAME)

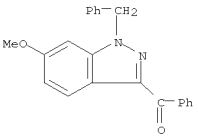
L5 ANSWER 12 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 691901-37-8 CAPLUS
CN Methanone, [6-methoxy-1-[2-(4-morpholinyl)ethyl]-1H-indazol-3-yl]phenyl- (CA INDEX NAME)

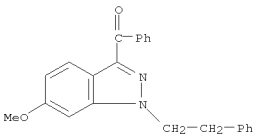


RN 691901-39-0 CAPLUS
CN Methanone, [6-methoxy-1-(phenylmethyl)-1H-indazol-3-yl]phenyl- (CA INDEX NAME)

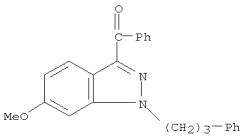


RN 691901-41-4 CAPLUS
CN Methanone, [6-methoxy-1-(2-phenylethyl)-1H-indazol-3-yl]phenyl- (CA INDEX NAME)

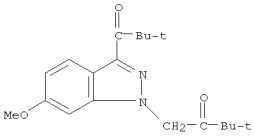
L5 ANSWER 12 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 691901-43-6 CAPLUS
CN Methanone, [6-methoxy-1-(3-phenylpropyl)-1H-indazol-3-yl]phenyl- (CA INDEX NAME)

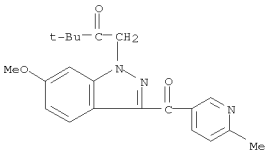


RN 691901-45-8 CAPLUS
CN 2-Butanone, 1-[3-(2,2-dimethyl-1-oxopropyl)-6-methoxy-1H-indazol-1-yl]-3,3-dimethyl- (CA INDEX NAME)

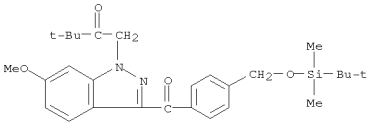


IT 691900-83-1P 691901-00-5P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of indazoles as potent potassium channel blockers for treating
ocular hypertension)

L5 ANSWER 12 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
RN 691900-83-1 CAPLUS
CN 2-Butanone, 1-[6-methoxy-3-[(6-methyl-3-pyridinyl)carbonyl]-1H-indazol-1-yl]-3,3-dimethyl- (CA INDEX NAME)



RN 691901-00-5 CAPLUS
CN 2-Butanone, 1-[3-[4-[[[(1,1-dimethylethyl)dimethylsilyl]oxy]methyl]benzoyl]-6-methoxy-1H-indazol-1-yl]-3,3-dimethyl- (CA INDEX NAME)

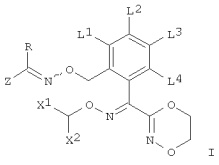


REFERENCE COUNT: 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 13 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1999:595172 CAPLUS
DOCUMENT NUMBER: 131:214302
TITLE: Preparation of dioxazinyloximinomethylbenzyloxy benzoheterocyclyloximes as agrochemical fungicides.
INVENTOR(S): Hillebrand, Stefan; Kruger, Bernd-Wieland; Gayer, Herbert; Gerdes, Peter; Stenzel, Klaus; Hanssler, Gerd; Mauler-Machnik, Astrid
PATENT ASSIGNEE(S): Bayer A.-G., Germany
SOURCE: PCT Int. Appl., 49 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

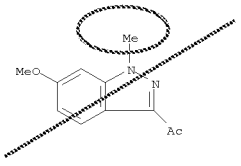
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9946263	A2	19990916	WO 1999-EP1472	19990308
WO 9946263	A3	19991111		
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
DE 19810018	A1	19990916	DE 1998-19810018	19980309
AU 9930322	A	19990927	AU 1999-30322	19990308
EP 1071682	A2	20010131	EP 1999-911750	19990308
R: AT, BE, CH, DE, FR, GB, IT, LI, NL				
JP 2002506071	T	20020226	JP 2000-535642	19990308
US 6462039	B1	20021008	US 2000-623442	20000905
PRIORITY APPLN. INFO.:			DE 1998-19810018 A	19980309
			WO 1999-EP1472 W	19990308

OTHER SOURCE(S): MARPAT 131:214302
GI



I

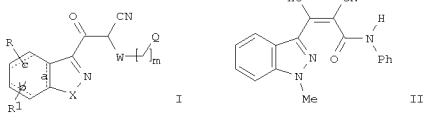
L5 ANSWER 13 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
AB Title compds. [I; L1-L4 = H, halo, cyano, NO2, (halo-substituted) alkyl, alkoxy, alkylthio, alkylsulfinyl, alkylsulfonyl; R = alkyl, (substituted) cycloalkyl; X1, X2 = H, halo; Z = (substituted) benzoheterocyclyl], were prepared Thus, 1-(1-methyl-1H-indazol-3-yl)ethanone oxime (preparation given)
was stirred 30 min. with NaH in DMF; (2-chloromethylphenyl) (5,6-dihydro-1,4,2-dioxazin-3-yl) methanone O-methyloxime (preparation given)
was added and the mixture was stirred 16 h at 20° to give 1-(1-methyl-1H-indazol-3-yl)ethanone O-[2-[(5,6-dihydro-1,4,2-dioxazin-3-yl)methoximinomethyl]benzyl]oxime. This at 100 g/ha gave >85% control of Plasmopara viticola on vines.
IT 243118-08-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of dioxazinyloximinomethylbenzyloxy benzoheterocyclyloximes as
agrochem. fungicides)
RN 243118-08-3 CAPLUS
CN Ethanone, 1-(6-methoxy-1-methyl-1H-indazol-3-yl)- (CA INDEX NAME)



L5 ANSWER 14 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1999:113653 CAPLUS
DOCUMENT NUMBER: 130:168365
TITLE: Preparation of fused heterocyclic compounds as kynurenine-3-hydroxylase inhibitors
INVENTOR(S): Pevarello, Paolo; Varasi, Mario; Heidempergher, Franco; Greco, Felicita; Speciale, Carmela
PATENT ASSIGNEE(S): Pharmacia & Upjohn S.p.A., Italy
SOURCE: PCT Int. Appl., 25 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9906375	A1	19990211	WO 1998-EP4218	19980702
W: AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GE, GW, HU, ID, IL, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
CA 2296606	A1	19990211	CA 1998-2296606	19980702
AU 9887317	A	19990222	AU 1998-87317	19980702
EP 1001941	A1	20000524	EP 1998-938689	19980702
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2001512107	T	20010821	JP 2000-505134	19980702
PRIORITY APPLN. INFO.:			GB 1997-16101 A	19970730
			WO 1998-EP4218 W	19980702

OTHER SOURCE(S): MARPAT 130:168365
GI

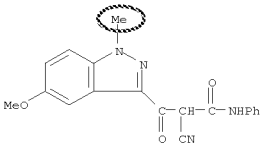


I II

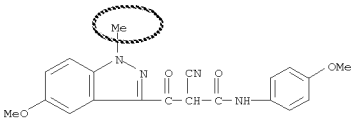
AB The title compds. [I; a, b, c = all single bonds; or a, b, c = all double bonds; or a = double bond and b, c = single bonds; m = 0-6; W = CONH, SO2, CO; X = O, S, NR2 (wherein R2 = H, C1-6 alkyl, PhCH2, etc.); R, R1 = H, halo, OH, etc.; Q = C1-14 alkyl, (un)substituted Ph ring or unsatd. pentat. heteromonocyclic ring contg. two or three heteroatoms chosen independently from O, S and N], useful as kynurenine-3-hydroxylase inhibitors, were prepd. and formulated. Thus, treatment of 2-cyano-3-(1-methyl-1H-indazol-3-yl)-3-oxo-N-phenylpropanamide (prepn. given) with 0.1 N NaOH in EtOH afforded acrylamide II as sodium salt which showed IC50 of 1.1 μM against KYN-3-OH.

IT 220487-70-7P 220487-71-8P 220487-72-9P
220487-73-0P 220487-75-2P 220487-76-3P
220487-77-4P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of fused heterocyclic compds. as kynurenine-3-hydroxylase inhibitors)

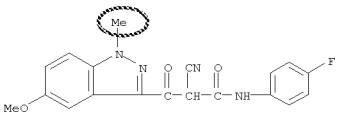
RN 220487-70-7 CAPLUS
CN 1H-Indazole-3-propanamide, α-cyano-5-methoxy-1-methyl-β-oxo-N-phenyl- (CA INDEX NAME)



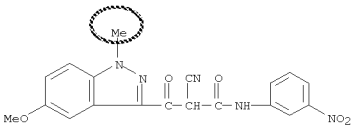
RN 220487-71-8 CAPLUS
CN 1H-Indazole-3-propanamide, α-cyano-5-methoxy-N-(4-methoxyphenyl)-1-methyl-β-oxo- (CA INDEX NAME)



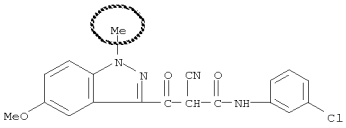
RN 220487-72-9 CAPLUS
CN 1H-Indazole-3-propanamide, α-cyano-N-(4-fluorophenyl)-5-methoxy-1-methyl-β-oxo- (CA INDEX NAME)



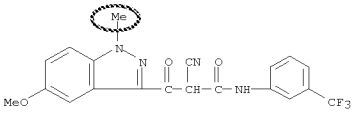
RN 220487-73-0 CAPLUS
CN 1H-Indazole-3-propanamide, α-cyano-5-methoxy-1-methyl-N-(3-nitrophenyl)-β-oxo- (CA INDEX NAME)



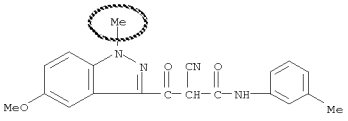
RN 220487-75-2 CAPLUS
CN 1H-Indazole-3-propanamide, N-(3-chlorophenyl)-α-cyano-5-methoxy-1-methyl-β-oxo- (CA INDEX NAME)



RN 220487-76-3 CAPLUS
CN 1H-Indazole-3-propanamide, α-cyano-5-methoxy-1-methyl-β-oxo-N-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)

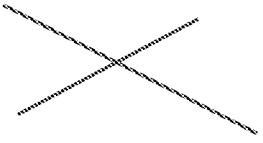


RN 220487-77-4 CAPLUS
CN 1H-Indazole-3-propanamide, α-cyano-5-methoxy-1-methyl-N-(3-methylphenyl)-β-oxo- (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

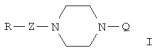
R2 = Me IS NOT CLAIMED

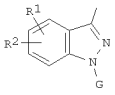


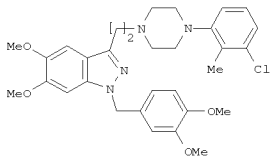
L5 ANSWER 15 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1997:701490 CAPLUS
DOCUMENT NUMBER: 128:22921
TITLE: Preparation of piperazines having calmodulin inhibitory activity
INVENTOR(S): Yamamoto, Kenjiro; Hasegawa, Atsushi; Kubota, Hideki; Andodeceased, Masahiro; Yamaguchi, Hitoshi
PATENT ASSIGNEE(S): Daiichi Pharmaceutical Co., Ltd., Japan
SOURCE: U.S., 44 pp., Cont.-in-part of U.S. Ser. No. 242,842, abandoned.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 5681954	A	19971028	US 1995-416311		19950404
PRIORITY APPLN. INFO.:			JP 1993-11277	A	19930514
			US 1994-242842	B2	19940516

OTHER SOURCE(S): MARPAT 128:22921
GI

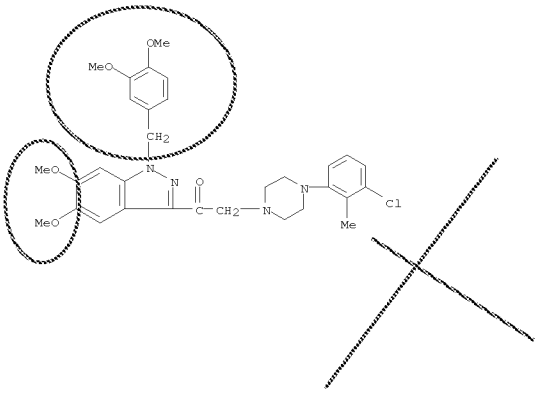

I


G II


III IV

AB The title compds. [I; Q = C1-6 alkyl, C1-6 alkoxy, CF3, etc.; R = II or III (wherein G = C1-6 alkyl, (un)substituted Ph, etc.; R1, R2 = C1-6 alkyl, C1-6 alkoxy, CF3, etc.); Z = C1-3 alkylene, C2-4 alkenylene, C(O),

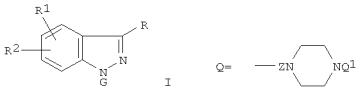
L5 ANSWER 15 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
etc.], useful as a treating agent for diseases in the circulatory organs or in the cerebral region which are caused by excessive activation of calmodulin, were prepd. Thus, treatment of 1-[[5,6-dimethoxy-1-(3,4-dimethoxybenzyl)-1H-indazol-3-yl]acetyl]-4-(3-chloro-2-methylphenyl)piperazine with BH3*THF in THF afforded the title compd. IV which showed 19.2% increase of survival time on nitrogen-induced hypoxia model in mouse, and IC50 of 3.1 against calmodulin-dependent PDE.
IT 183315-47-1P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of piperazines having calmodulin inhibitory activity)
RN 183315-47-1 CAPLUS
CN Ethanone, 2-[4-(3-chloro-2-methylphenyl)-1-piperazinyl]-1-[1-[(3,4-dimethoxyphenyl)methyl]-5,6-dimethoxy-1H-indazol-3-yl]- (CA INDEX NAME)

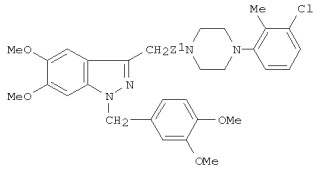


L5 ANSWER 16 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1996:694212 CAPLUS
DOCUMENT NUMBER: 125:328730
TITLE: Preparation of 3-(piperazinoalkyl)indole derivatives as calmodulin antagonists
INVENTOR(S): Hasegawa, Atsushi; Makino, Tooru; Yamamoto, Kenjiro
PATENT ASSIGNEE(S): Daiichi Seiyaku Co, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 49 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
JP 08225535	A	19960903	JP 1995-294071		19951113
PRIORITY APPLN. INFO.:			JP 1995-294071	A	19951113
			JP 1994-280963		19941115

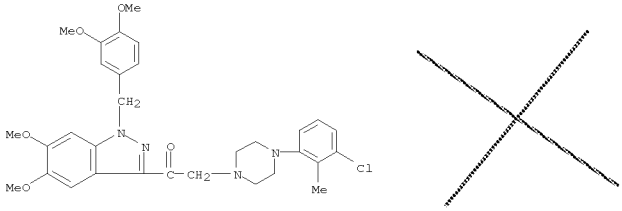
OTHER SOURCE(S): MARPAT 125:328730
GI


I Q=


II

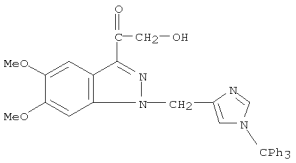
AB The title compds. [I; R = Q; wherein Z = single bond, C1-3 alkylene, C2-4 alkenylene, C1-3 hydroxyalkylene, CO, COCO, C1-2 alkylene containing one CO
group at the end or middle of the C chain; Q1 = C1-8 alkyl, C3-8 cycloalkyl, (un)substituted aryl, heterocyclyl, diarylmethyl, or aryl-C1-6
alkyl; R1, R2 = C1-6 alkyl or alkoxy, CF3, CF3CH2, CF3O, CF3CH2O, C1-6 alkylthio, alkylsulfinyl, or alkylsulfonyl, C1-6 alkylcarbonyl, C2-7 alkanoylamino, NH2, mono- di(C1-6 alkyl)amino, OH, halo, C2-6

L5 ANSWER 16 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
perfluoroalkyl, cyano, NO2, CO2H, C1-6 alkoxycarbonyl, tetrazolyl, SO2NH2,
methylenedioxy, ethylenedioxy, morpholinosulfonyl, piperazinosulfonyl, 4-(C1-6 alkyl)piperazinosulfonyl, 4-[mono- or di(C1-6 alkyl)amino]piperidino, 4-aminopiperidino; G = C1-6 alkyl, (un)substituted
Ph, PhCO, PhCOCH2, α-hydroxybenzyl, phenyl-C1-6 alkyl, 5-membered arom. heterocyclyl or heterocyclyl-C1-6 alkyl contg. heteroatoms (a) N, O,
or S or (b) one or two N and another N, O, or S, 6-membered arom. heterocyclyl, heterocyclylcarbonyl, or heterocyclyl-C1-3 alkyl contg. one or two N, phenylhydroxyalkyl, or 2-phenylethynyl, tetrazolyl, morpholino, etc.] are prepd. These compds. possess calmodulin-inhibitory, antihypoxic, or brain edema-improving activity, inhibit delayed neuronal death in hippocampus, and are useful for the treatment of circulatory diseases or brain diseases. Thus, 5,6-dimethoxy-1-(3,4-dimethoxybenzyl)-1H-indazole-3-acetic acid was condensed with 1-(3-chloro-2-methylphenyl)piperazine using di(2-pyridyl) disulfide and Ph3P in CH2Cl2 at room temp. to give an intermediate (II; Z1 = CO), which was reduced by borane-THF complex in THF under reflux to give the title compd. II (Z1 = CH2). The latter compd. in vitro showed IC50 of 3.1 μg/mL against Ca/calmodulin-dependent phosphodiesterase.
IT 183315-47-1P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of 3-(piperazinoalkyl)indole derivs. as calmodulin antagonists
for disease treatment)
RN 183315-47-1 CAPLUS
CN Ethanone, 2-[4-(3-chloro-2-methylphenyl)-1-piperazinyl]-1-[1-[(3,4-dimethoxyphenyl)methyl]-5,6-dimethoxy-1H-indazol-3-yl]- (CA INDEX NAME)

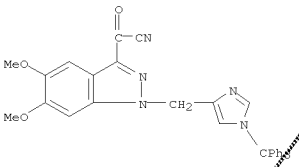


IT 183315-88-0P 183315-90-4P 183315-91-5P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of 3-(piperazinoalkyl)indole derivs. as calmodulin antagonists
for disease treatment)
RN 183315-88-0 CAPLUS

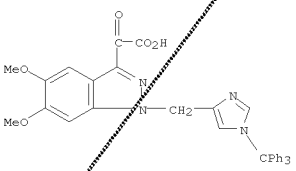
L5 ANSWER 16 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
CN Ethanone, 1-[5,6-dimethoxy-1-[[1-(triphenylmethyl)-1H-imidazol-4-yl]methyl]-1H-indazol-3-yl]-2-hydroxy- (CA INDEX NAME)



RN 183315-90-4 CAPLUS
CN 1H-Indazole-3-acetonitrile, 5,6-dimethoxy-α-oxo-1-[[1-(triphenylmethyl)-1H-imidazol-4-yl]methyl]- (CA INDEX NAME)



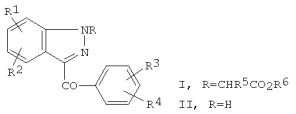
RN 183315-91-5 CAPLUS
CN 1H-Indazole-3-acetic acid, 5,6-dimethoxy-α-oxo-1-[[1-(triphenylmethyl)-1H-imidazol-4-yl]methyl]- (CA INDEX NAME)



L5 ANSWER 17 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1976:523913 CAPLUS
DOCUMENT NUMBER: 85:123913
ORIGINAL REFERENCE NO.: 85:19897a,19900a
TITLE: Indazolecarboxylic acid derivatives
INVENTOR(S): Takayama, Masaharu; Nakao, Masaru; Inaba, Shigeho; Yamamoto, Hisao
PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 50157363	A	19751219	JP 1974-64699	19740606
PRIORITY APPLN. INFO.:			JP 1974-64699 A	19740606

GI



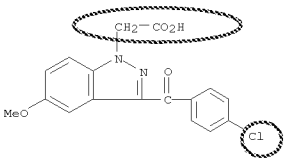
I, R=CHR5CO2R6
II, R=H

AB Indazole carboxylic acids I (R1, R2, R3, R4 = H, alkyl, alkoxy, CF3, halo; R1R2 may form a ring; R5, R6 = H, alkyl) were prepared by reaction of II with carboxylic acids XCHR5CO2R7 (R7 = alkyl, X = halo) followed, if needed, by hydrolysis. I had antiinflammatory, analgesic, and antipyretic activities (no data). Thus, 0.13 g 64% NaH in DMF was stirred with 0.76 g 6-methyl-3-(p-chlorobenzoyl)-1H-indazole 2 hr at 40°, 0.55 g BrCH2CO2Et in DMF added, and the whole stirred 2 hr at 40° to give Et 6-methyl-3-(p-chlorobenzoyl-1H-indazole-1-acetate (III). Hydrolysis of III with 2% NaOH-MeOH 3.5 hr at room temperature gave the corresponding free acid. Among 40 addnl. I prepared were α-[6-fluoro-3-p-chlorobenzoyl)-1H-indazol-1-yl]propionic acid (IV), IV Et ester, 3-(p-fluorobenzoyl)-1H-indazole-1-acetic acid, and 3-(p-methylbenzoyl)-1H-indazole-1-acetic acid.

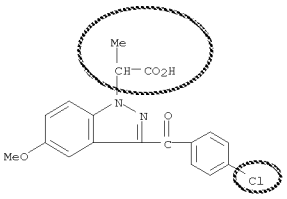
IT 60472-94-8P 60472-95-9P 60472-96-0P
60472-97-1P 60472-98-2P 60472-99-3P
60473-00-9P 60473-01-0P 60473-02-1P
60473-03-2P 60473-04-3P 60473-05-4P
60493-33-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

L5 ANSWER 16 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

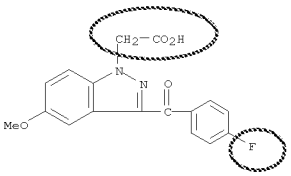
L5 ANSWER 17 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
RN 60472-94-8 CAPLUS
CN 1H-Indazole-1-acetic acid, 3-(4-chlorobenzoyl)-5-methoxy- (CA INDEX NAME)



RN 60472-95-9 CAPLUS
CN 1H-Indazole-1-acetic acid, 3-(4-chlorobenzoyl)-5-methoxy-α-methyl- (CA INDEX NAME)

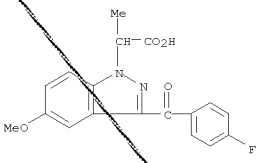


RN 60472-96-0 CAPLUS
CN 1H-Indazole-1-acetic acid, 3-(4-fluorobenzoyl)-5-methoxy- (CA INDEX NAME)

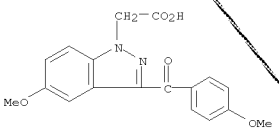


RN 60472-97-1 CAPLUS
CN 1H-Indazole-1-acetic acid, 3-(4-fluorobenzoyl)-5-methoxy-α-methyl- (CA INDEX NAME)

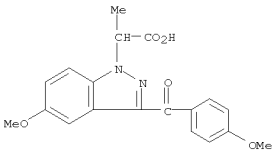
L5 ANSWER 17 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 60472-98-2 CAPLUS
CN 1H-Indazole-1-acetic acid, 5-methoxy-3-(4-methoxybenzoyl)- (CA INDEX NAME)

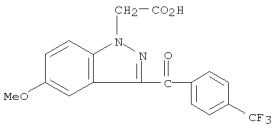


RN 60472-99-3 CAPLUS
CN 1H-Indazole-1-acetic acid, 5-methoxy-3-(4-methoxybenzoyl)-α-methyl- (CA INDEX NAME)

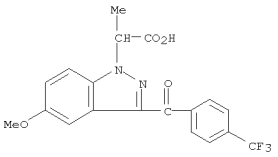


RN 60473-00-9 CAPLUS
CN 1H-Indazole-1-acetic acid, 5-methoxy-3-[4-(trifluoromethyl)benzoyl]- (CA INDEX NAME)

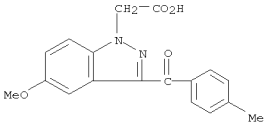
L5 ANSWER 17 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 60473-01-0 CAPLUS
CN 1H-Indazole-1-acetic acid, 5-methoxy-α-methyl-3-[4-(trifluoromethyl)benzoyl]- (CA INDEX NAME)

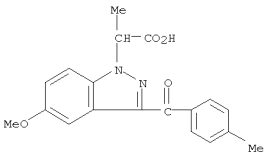


RN 60473-02-1 CAPLUS
CN 1H-Indazole-1-acetic acid, 5-methoxy-3-(4-methylbenzoyl)- (CA INDEX NAME)

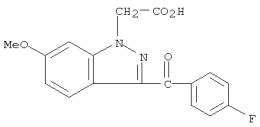


RN 60473-03-2 CAPLUS
CN 1H-Indazole-1-acetic acid, 5-methoxy-α-methyl-3-(4-methylbenzoyl)- (CA INDEX NAME)

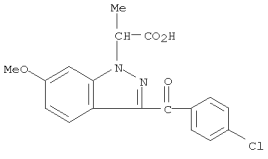
L5 ANSWER 17 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 60473-04-3 CAPLUS
CN 1H-Indazole-1-acetic acid, 3-(4-fluorobenzoyl)-6-methoxy- (CA INDEX NAME)



RN 60473-05-4 CAPLUS
CN 1H-Indazole-1-acetic acid, 3-(4-chlorobenzoyl)-6-methoxy-α-methyl- (CA INDEX NAME)



RN 60493-33-6 CAPLUS
CN 1H-Indazole-1-acetic acid, 3-(4-chlorobenzoyl)-6-methoxy- (CA INDEX NAME)

L5 ANSWER 17 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)